AMENDMENTS TO THE CLAIMS

1. (Currently amended) A malware detection system for determining whether a

code module is malware according to the code module's exhibited behaviors, the system

comprising:

at least one dynamic behavior evaluation module, wherein each dynamic behavior

evaluation module provides a virtual environment in which for executing a code module of a

particular type may be executed, and wherein each dynamic behavior evaluation module records

some execution behaviors which may be exhibited by of the code module as it is executed,

wherein the execution behaviors of the code module are recorded into a behavior signature

corresponding to the code module;

a management module for obtaining the code module and selecting a dynamic behavior

evaluation module to execute the code module according to the code module's type;

a malware behavior signature store storing at least one known malware behavior

signature; and

a behavior signature comparison module that obtains the behavior signature and

compares the behavior signature to the known malware behavior signatures in the malware

behavior signature store to determine whether the exhibited execution behaviors of the code

module match the exhibited execution behaviors of known malware.

2. (Currently amended) A malware detection system for determining whether a

code module is malware according to the code module's exhibited behaviors, the system

comprising:

at least one behavior evaluation means, wherein each behavior evaluation means provides

a virtual environment in-which for executing a code module of a particular type may be

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Suite 2800 Seattle, Washington 98101

206.682.8100

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executed, and wherein each behavior evaluation means records some execution behaviors which

may be exhibited by of the code module as it is executed, wherein the execution behaviors of the

code module are recorded into a behavior signature corresponding to the code module;

a management means for obtaining the code module and selecting a behavior evaluation

means to execute the code module according to the code module's type;

a storage means for storing at least one known malware behavior signature; and

a behavior comparison means for comparing the behavior signature to the known

malware behavior signatures in the storage means to determine whether the exhibited execution

behaviors of the code module match the exhibited execution behaviors of known malware.

3. (Currently amended) A method for determining whether a code module is

malware according to the code module's exhibited behaviors, the method comprising:

selecting a dynamic behavior evaluation module according to the executable type of the

code module;

executing the code module in the selected dynamic behavior evaluation module, wherein

the selected dynamic behavior evaluation module provides a virtual environment in which the

code module may be safely executed;

recording some execution behaviors exhibited by the code module executing in the

dynamic behavior evaluation module during execution of the code module;

comparing the recorded execution behaviors exhibited by the code module executing in

the dynamic behavior evaluation module to known malware execution behaviors; and

according to the results of the previous comparison, determining whether the code

module is malware.

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Seattle, Washington 98101 206.682.8100

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4. (Currently amended) A computer-readable medium bearing computer-executable

instructions which, when executed, carry out a method for determining whether an executable

code module is malware according to the code module's exhibited behaviors, the method

comprising:

selecting a dynamic behavior evaluation module according to the executable type of the

code module;

executing the code module in the selected dynamic behavior evaluation module, wherein

the selected dynamic behavior evaluation module provides a virtual environment in which the

code module may be safely executed;

recording some execution behaviors exhibited by the code module executing in the

dynamic behavior evaluation module as the code module is executing;

comparing the recorded execution behaviors exhibited by the code module executing in

the dynamic behavior evaluation module to known malware execution behaviors; and

according to the results of the previous comparison, determining whether the code

module is malware.

5. (New) The malware detection system of Claim 1, wherein recording some

execution behaviors of the code module as it is executed comprises recording executed behaviors

that are identified in a predefined set of execution behaviors to record.

6. (New) The malware detection system of Claim 5, wherein the predefined set of

execution behaviors to record corresponds to the dynamic behavior evaluation module in which a

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code module of a particular type may be executed.

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206.682.8100

7. (New) The malware detection system of Claim 6, wherein the predefined set of

execution behaviors to record corresponds to a set of system calls.

8. (New) The malware detection system of Claim 2, wherein recording some

execution behaviors of the code module as it is executed comprises recording executed behaviors

that are identified in a predefined set of execution behaviors to record.

9. (New) The malware detection system of Claim 8, wherein the predefined set of

execution behaviors to record corresponds to the dynamic behavior evaluation module in which a

code module of a particular type may be executed.

(New) The malware detection system of Claim 9, wherein the predefined set of 10.

execution behaviors to record corresponds to a set of system calls.

11. (New) The method of Claim 3, wherein recording some execution behaviors

exhibited by the code module executing in the dynamic behavior evaluation module comprises

recording executed behaviors that are identified in a predefined set of execution behaviors to

record.

12. (New) The method of Claim 11, wherein the predefined set of execution

behaviors to record corresponds to the dynamic behavior evaluation module in which a code

module of a particular type may be executed.

(New) The method of Claim 12, wherein the predefined set of execution 13.

behaviors to record corresponds to a set of system calls.

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Suite 2800

Seattle, Washington 98101

206.682.8100

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14. (New) The computer-readable medium of Claim 4, wherein recording some execution behaviors exhibited by the code module executing in the dynamic behavior evaluation module comprises recording executed behaviors that are identified in a predefined set of execution behaviors to record.

15. (New) The computer-readable medium of Claim 14, wherein the predefined set of execution behaviors to record corresponds to the dynamic behavior evaluation module in which a code module of a particular type may be executed.

16. (New) The computer-readable medium of Claim 14, wherein the predefined set of execution behaviors to record corresponds to a set of system calls.

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